## REFERENCES

Palisot de Beauvois, A. M. F. J. 1802. Mem. N. Gen. Ins., 4.

Forbes, W. T. M. 1922. The Wing Venation of Coleoptera. Ann. Ent. Soc. America. 15:328-351.

1926. The Wing Folding patterns in the Coleoptera. Jour. New York Ent. Soc. 34:42-68; 34:92-139.

Lacordaire, M. T. 1857. Hist. Nat. des Insects. 4:501.

Redtenbacher, J. 1896. Vergl. St. uber das Flugelgeader der Ins. Ann. des K. K. Naturh. Hofm. Wein. 1:209-221.

SHARP, D. and F. Muir. 1912. The Comparative Anatomy of the Male Genital Tube in Coleoptera. Trans. Ent. Soc. London. pp. 477-642. Tanner, V. M. 1927. A Preliminary Study of the Genitalia of Female Coleoptera. Trans. American Ent. Soc. 53:5-50.

## UNUSUAL ABUNDANCE OF SANDALUS IN SOUTHERN INDIANA

In September, 1954, a Sandalus, tentatively determined as niger Knoch, was found in some numbers in the dry woodlands in the Scott's Pond area near Bloomington, Monroe County, Indiana. Males were observed on the morning of September 25 flying at heights of 4 to 15 feet, but no females were taken in flight. The buzzing of several males attracted our attention to a large female together with two males resting about 12 feet above the ground, on the trunk of a small hickory. Other males were seen to veer in flight and approach this group. Some came to rest and then took off so that the males resting on the trunk seemed to be changing constantly. By standing beneath the tree it was possible to net the males as they flew to and from the trunk, and nearly a dozen were collected in less than an hour. A smaller female with a smaller coterie of males was found on a tree nearby. Both females and most of the males were very dark; only one male was light brown.

The area in which these beetles were found has been rather thoroughly explored in connection with ecological studies of other insects every year since 1950, but no specimens of Sandalus have been collected or observed before. It thus seems possible that the unusual abundance in 1954 was connected with the emergence of Brood X of the Periodical Cicada (Magicicada septendecim) which occurred in the general area in 1953.—Frank N. Young, Indiana University

## News

DR. TAKEHIKO NAHANE is now editor of the Japanese journal of entomology AKITSU. Volume 4, no. 4 is now in press. Volumes 1-3 were published by the Takeuchi Entomological Laboratory, Kyoto, 1937-1943 and all papers were written in Japanese. The present volume

society and includes paper written in English. Volume 4 contains 116 pages in total, of which 45 pages are written in English containing descriptions of new forms of Cerambycidae, Erotylidae, Mordellidae, Nitidulidae, Elateridae, Niponiidae, Carabidae, Dytiscidae, Trogidae, Ciidae, Lycidae, as well as descriptions of a few orders other than Coleoptera.—R. H. Arnett, Jr.